

Serial No. 10/057,870

**IN THE CLAIMS:**

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 1, 2, 6, 8 and 10 and AMEND claims 3, 7 and 9 in accordance with the following:

1. (CANCELLED)
2. (CANCELLED)
3. (CURRENTLY AMENDED) A method ~~as recited in claim 1, further comprising the steps of:~~ for displaying an image in which a halftone is reproduced by a subframe technique of converting a frame into a plurality of subframes, the method comprising:  
determining a lighting pattern that is a combination of on and off of the subframes for each of plural pixels of a display screen in accordance with a frame data value of a noted pixel, a lighting pattern of the noted pixel in a past frame and a lighting pattern determined for a peripheral pixel that is located in a vicinity of the noted pixel and has the same display color as the noted pixel, wherein:  
determining intensity values of Fourier components of the difference between the light emission waveform indicated by the lighting pattern in the past frame and a target light emission waveform indicated by the frame data value; and determining intensity values of Fourier components of a light emission distribution error between the peripheral pixel and the noted pixel; and determining a lighting pattern of the noted pixel are determined so that ~~the~~ a sum of the intensities after being weighted becomes ~~the~~ a minimum.
4. (ORIGINAL) A method as recited in claim 3, wherein the weight of the Fourier components having a frequency above a flicker frequency is set to zero among the Fourier components of the difference between the light emission waveform indicated by the lighting pattern in the past frame and the target light emission waveform indicated by the frame data value.
5. (CURRENTLY AMENDED) A method as recited in claim 3, wherein the ~~step of~~ determining a lighting pattern uses only the components corresponding to the period twice the

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pixel pitch among the Fourier components of the light emission distribution error between the peripheral pixel and the noted pixel.

6. (CANCELLED)

7. (CURRENTLY AMENDED) A method ~~as recited in claim 6, for displaying an image in which a halftone is reproduced by a subframe technique of converting a frame into a plurality of subframes, the method comprising:~~

determining a lighting pattern that is a combination of on and off of the subframes for each of plural pixels of a display screen in accordance with a frame data value of a noted pixel, a lighting pattern of the noted pixel in a past frame and a lighting pattern determined for a peripheral pixel that is located in a vicinity of the noted pixel and has the same display color as the noted pixel, wherein:

~~the lighting pattern of the noted pixel is determined so that the sum of the distance to the lighting pattern of the past frame and the distance to the lighting pattern determined for the peripheral pixel becomes the minimum when a lighting pattern is regarded as a coordinate value so that the sum of a distance to the lighting pattern of the past frame and a distance to the lighting pattern determined for the peripheral pixel becomes a minimum.~~

8. (CANCELLED)

9. (CURRENTLY AMENDED) A method ~~as recited in claim 8, comprising the steps of noting for displaying an image in which a halftone is reproduced by a subframe technique of converting a frame into a plurality of subframes, the method comprising:~~

determining a lighting pattern that is a combination of on and off of the subframes for each of plural pixels of a display screen in accordance with a frame data value of a noted pixel, a lighting pattern of the noted pixel in a past frame and a lighting pattern determined for a peripheral pixel that is located in a vicinity of the noted pixel and has the same display color as the noted pixel, wherein:

~~only a part of the plural plurality of subframes is noted, so as to refer the lighting pattern of the past frame and the lighting pattern determined for the peripheral pixel are referred, obtaining and the lighting pattern is regarded as a coordinate value, and determining the lighting pattern of the noted pixel so that the a sum of the a distance to the lighting pattern in the past frame and the a distance to the lighting pattern determined for the peripheral pixel becomes the a minimum value.~~

10. (CANCELLED)